Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & Final bill Date.....20.....

Division: Yelahanka Projects.

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.....

Name of Work: Improvements to Main roads and drains at Maruthi Nagara.

Job Code No: 001-18-000022. **Est. cost: 200.00 lakhs**

Name of Contractor and Full Address : M/s KRIDL, Bangalore.

Work Order No: EE(project)YNK zone/NO/133/2017-18. **, Dated :** 05.03.2018.

Certified that the measurements were taken by me on 19.04.2018 and recorded in pages 135360 to 135367. of measurement Book No. 69/09-10 and that the work is satisfactorily executed.

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 016

Executive Engineer

Officer-in-charge of work

Certified that the measurements were taken by me on 19.4.18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

If Memorandum of Payment

1) Total value of work done or supplies made as per account within — Total Rs. 1,97,94,548-00
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash — 2% IT 395891-00; 1% Cess 197945-00; 0.1% CBF 19795-00; LR 269206-00; 5% FSD 989727-00; Adjn 18,72,564-00; Cheque 179,21,984-00
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments
7) Net amount due to or from contractor
   Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within value of Governme
   materials supplied

Contractor's Signature

Received Rs..... (in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 016

Dated.....Signature of Contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 016

(For use in the Office)

Audited & Admitted for Rs. Rs. 1,97,94,548-00

Rs. 1,79,21,984-00 by Cheque and Rs. 18,72,564-00 by Adjustment

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt.
Project Division
B.B.M.P.
21/4

Exe. Engineer
Project Division
B.B.M.P
Executive Engineer
23/4

Initials of Officer Making Payment

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Main roads and drains at Maruthi Nagara

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.	Sqm	6200.20	7.06	43773.41	–	–	6197.59	7.06	43754.99	6197.59	43754.99
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.	Cum	857.49	180.48	154760.46	–	–	855.63	180.48	154425.81	855.63	154425.81

3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	116.40	5937.12	691054.05	–	–	116.35	5937.12	690784 ~~690773.52~~	116.35	690784 ~~690773.52~~
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	150.31	7072.54	1063103.55	–	–	150.30	7072.54	1063003 ~~1063031.05~~	150.30	1063003 ~~1063031.05~~

5	KSRB 4.6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons.	Sqm	1114.90	344.74	384350.28	–	–	1114.90	344.74	384349.25	1114.90	384349.25
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.	Tn	10.23	71310.20	729166.94	–	–	10.21	71310.20	728330.08	10.21	728330.08
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.	Sqm	388.80	2100.00	816480.00	–	–	388.65	2100.00	816165.00	388.65	816165.00
8	KSRB 5.2-2: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per/ specifications.	Cum	3.17	4926.42	15606.90	–	–	3.17	4926.42	15606.90	3.17	15606.90

9	KSRB 15.1.3 = do = Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	7.04	115.31	811.78	-	-	7.04	115.31	811.78	7.04	811.78
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	0.79	6401.88	5070.29	-	-	0.79	6401.88	5070.29	0.79	5070.29
11	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	39.38	5111.00	201245.63	-	-	39.30	5111.00	200862.30	39.30	200862.30

12	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.	Cum	3213.16	138.12	443813.23	–	–	3210.00	138.12	443376.89	3210.00	443376.89
13	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.	Sqm	8028.30	5.88	47206.40	–	–	8025.00	5.88	47187.01	8025.00	47187.01
14	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material	Cum	1605.66	1848.44	2967966.17	–	–	1605.00	1848.44	2966747.12	1605.00	2966747.12

15	KSRRB M400-17 : Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	1781.74	1962.57	3496791.43	-	-	1781.62	1962.57	3496554.90	1781.62	3496554.90
16	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	6843.20	30.59	209333.49	-	-	6842.86	30.59	209323.16	6842.86	209323.16
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	8971.20	12.94	116087.33	-	-	8970.06	12.94	116072.54	8970.06	116072.54

18	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	342.16	7903.22	2704165.76	_	_	342.13	7903.22	2703921.74	342.13	2703921.74
19	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4 % VG-30	Cum	358.85	9011.58	3233787.46	_	_	358.80	9011.58	3233375.63	358.80	3233375.63

20	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	333.40	602.42	200846.83	–	–	333.09	602.42	200660.08	333.09	200660.08
21	Construction of un-reinforced plain cement concrete KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	42.24	6520.72	275435.09	–	–	42.21	6520.72	275240 ~~275210.13~~	42.21	275240 ~~275210.13~~
22	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	281.60	105.89	29819.75	–	–	281.37	105.89	~~275240~~ ~~29795.39~~ 29794	281.37	29794 ~~29795.39~~

23	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement	mtr	57.60	135.31	7793.80	–	–	57.60	135.31	7793.80	57.60	7793.80
	Total				**17838470.03**			17.8.32926		**17833199.37**		**17833199.37**
	Add KRIDL Charges 11.0%				**1962231.70**					**1961651.93**		**1961651.93**
	Grand Total				**19800701.73**					**19794851.30**		**19794851.30**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Rs:- 17.83,29,26 – Rs:- 17,8,32926-

Add 11% KRIDL Charge :- 1961622- Add. 1961622=

G. Total Rs: 1.97,94,548-/- Rs: 1.96,94,548

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

KRIDL, Bangalore

Assistant Engineer

Newzen Consultants Bangalore

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore